



Biodiesel

Gas to Liquids

Water Emulsified

Ethanol Diesel



**California Air Resources Board
California Energy Commission**

Present:

***ALTERNATIVE DIESEL FUELS
SYMPOSIUM***

August 19-20, 2003

**Central Valley Auditorium
CalEPA Building
1001 I St. Sacramento, CA**

Tuesday 9:30 am - 5:00 pm Wednesday 9:00 am - 1:30 pm

The California Air Resources Board (ARB) and the California Energy Commission (CEC) will host a symposium to discuss alternative diesel fuels as a strategy to address California's air quality and energy issues. Alternative diesel fuels have been shown to reduce air emissions of criteria pollutants, toxic air contaminants and greenhouse gases. Alternative diesel fuels also have the potential to reduce our energy dependence on foreign oil. However, many people have questions about various aspects of alternative diesel fuels such as air quality impacts, fuel production, supply, demand, performance and cost. These questions must be resolved before these fuels can truly be viable alternatives to regular diesel fuel. The symposium will be a forum to discuss the benefits and issues of these fuels with industry, government leaders, local air districts, the environmental community, and other interested parties.

Who Should Attend

- Air pollution control districts
- State and local governments
- US government agencies, DOE and USEPA
- Environmental consulting groups
- Industry
- Environmental community
- Alternative diesel fuel providers
- Vehicle manufacturers
- Engine manufacturers
- Academics
- Fleet users

For program information, please contact:

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CA Air Resources Board
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Attendance is free but please register to assist in our planning of the symposium. Please contact:

Sue Wyman
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(916) 445-9477
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or go to our website at: <http://www.arb.ca.gov/fuels/diesel/altdiesel/altdieselsym.htm>



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Tentative Agenda 8/18/03

for updates to the agenda go to:

<http://www.arb.ca.gov/fuels/diesel/altdiesel/altdieselsym.htm>

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8:30 **Registration**

9:30 **Introductory Remarks**

9:40 **Session 1: Water Emulsified Diesel and Ethanol Diesel Fuels. Moderator: Dean Simeroth**
- Andres Serrano (Lubrizol): Water diesel emulsified fuel
- Alex Spataru (The Adept Group Inc.): Water diesel emulsified fuel
- Jim Peeples (O₂ Diesel): Ethanol Diesel Fuels

10:40 **Break**

10:45 **Session 2: Gas-to-Liquids (Fisher-Tropsch Diesel). Moderator: Mike McCormick**
- Jim Rockwell (ConocoPhillips): Future role of Fisher-Tropsch diesel
- Roger Davies (Shell): Supply and economics
- Dennis Jakobson (Rentech Inc.): Meeting the Fisher-Tropsch supply challenge for California
- Dan Santini/Michael Wang (Argonne National Laboratories): Life cycle analysis
- Robert McCormick (NREL): Fuel and engine performance
- Brad Edgar (Cleaire): Emission reduction technology
- Oreste Bevilacqua (Clean Air Vehicle Technology Center): Emission testing of Fisher-Tropsch with soot filters

12:50 **Lunch**

1:50 **Session 3: Industry and Environmental Perspectives- Current and Future Role of Alternative Diesel Fuels**
Moderator: Dean Simeroth
- Ellen Shapiro (Alliance of Automobile Manufacturers)
- Vinod Duggal (Engine Manufacturers Association)
- John White (Center for Energy and Renewable Technologies)
- Patricia Monahan (Union of Concerned Scientists)

3:05 **Break**

3:15 **Session 4: Government Regulations Part 1**
Moderator: Mike McCormick
- Dave Kortum (U.S EPA): U.S EPA Health's effect program
- Gary Yee (CA Air Resources Board): Alternative diesel verification
- David Lazier (CA Dept. of Food and Agriculture): Regulations for selling alternative diesel fuels in CA

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4:10 **Session 5: Executive Panel Discussion**
- Dr. Alan Lloyd, Chairman (CA Air Resources Board)
- James Boyd, Commissioner (California Energy Commission)
- Speaker TBA (State Water Resources Control Board)
- Jeff Morales, Director (Caltrans)
- Barry Wallerstein, D. Env., Executive Officer (South Coast Air Quality Management District)

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8:15 **Check-in**
9:00 **Session 6: Biodiesel. Moderator: Dean Simeroth**
- Tom Durbin (CE-CERT Univ. of California, Riverside): Fuel performance
- Robert McCormick (National Renewable Energy Laboratory): Durability and new technology
- Steve Howell (National Biodiesel Board): Fuel specifications and life cycle
- Vinod Duggal (Engine Manufacturing Association): Topic TBA
- Bob Clark /Fred Wellons (Imperial Western Products Inc./Baker Commodities): Industry and marketing
- Graham Noyes (World Energy Alternatives): Current role of Biodiesel
- Steve Howell (National Biodiesel Board): Future role of biodiesel

11:10 **Break**

11:25 **Session 7: Government Regulations Part 2**
Moderator: Mike McCormick
- Jack Kitowski (Air Resources Board): Incentive Programs
- Gary Yowell (California Energy Commission): Cost effectiveness analysis of alternative fuel investments

12:10 **Session 8: Fuel User Experience**
Moderator: Gary Yowell
- Kent Bullard (Channel Islands): Biodiesel
- Dave Williamson (City of Berkeley): Biodiesel
- Marc Heiner (Caltrans): Fisher-Tropsch and water emulsified diesel fuel
- Bill Luckhurst (Tri-Delta Regional Transit): Water emulsified diesel fuels

1:10 **Final Remarks**

1:30 **End of Symposium**